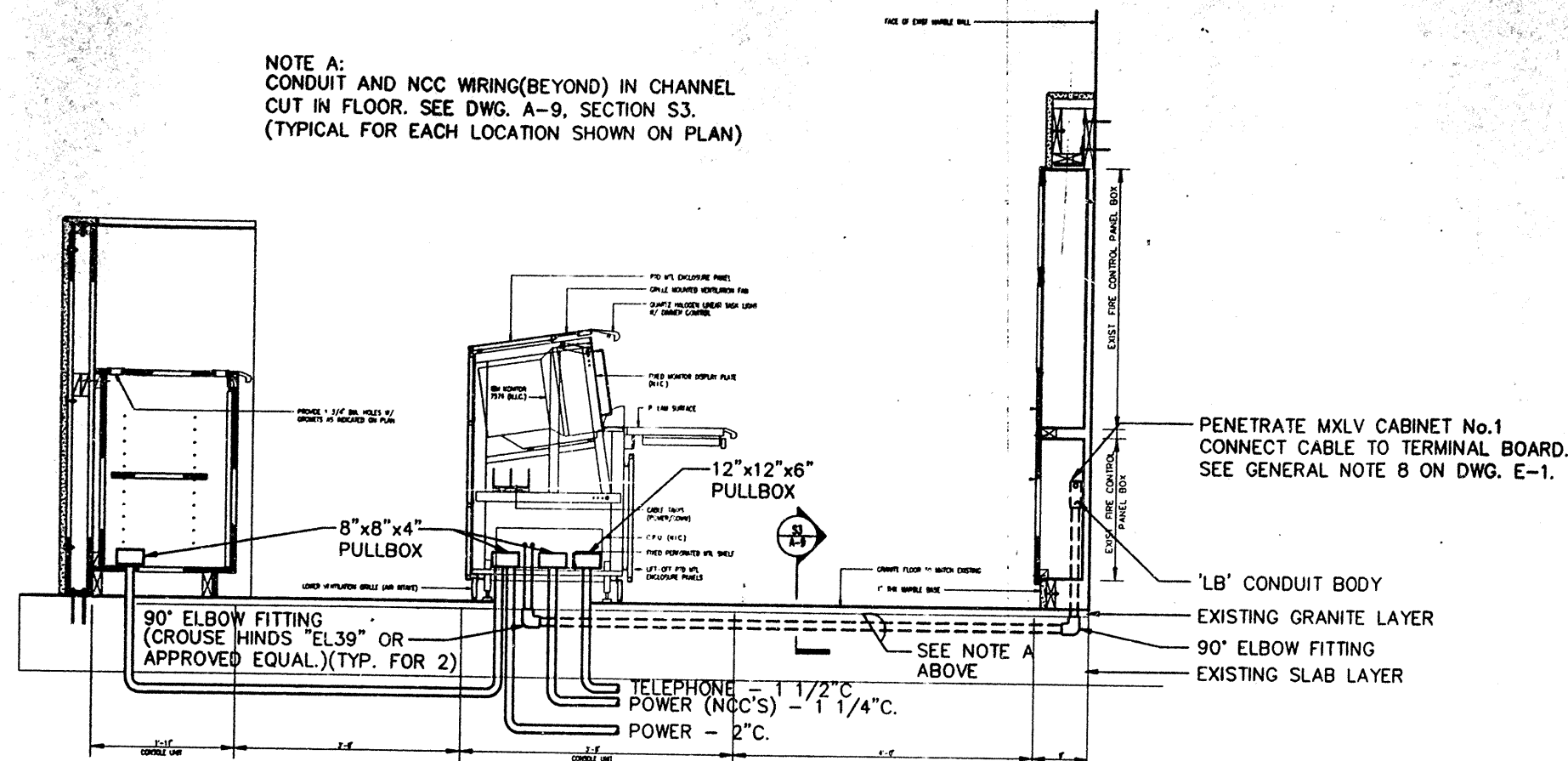
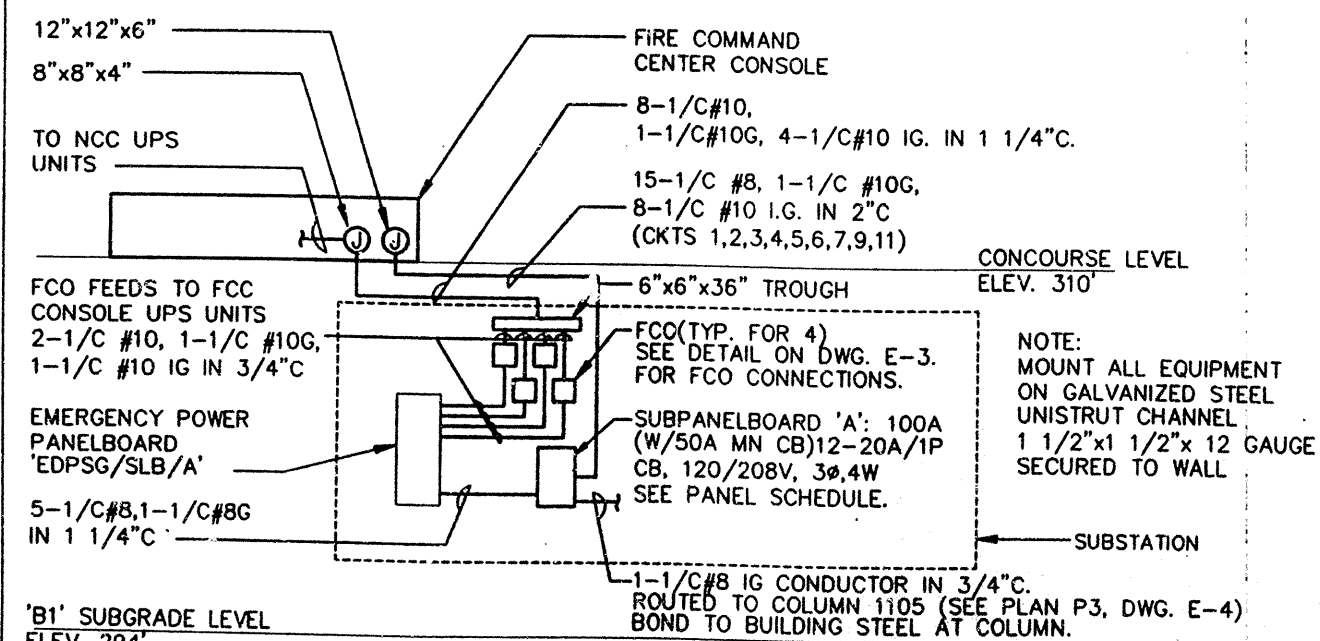


NOTE A:
CONDUIT AND NCC WIRING(BEYOND) IN CHANNEL
CUT IN FLOOR. SEE DWG. A-9, SECTION S3.
(TYPICAL FOR EACH LOCATION SHOWN ON PLAN)



S1 SECTION - FIRE COMMAND CENTER TOWER ONE AND TWO
SCALE IN FEET
0.5 0 1 2



R2 POWER RISER DIAGRAM TOWER TWO
N.T.S.

SUBPANELBOARD: 'A'				SERVICE: 120/208V, 3Ø, 4W				LOCATION: 1 & 2 WTC-'B1' SUBSTATION						
MAIN LUGS ONLY <input type="checkbox"/>				MAIN CIRCUIT BREAKER <input checked="" type="checkbox"/>				100 A.F. 50 A.T.						
CKT. NO.	DIRECTORY	LOAD (AMPS)			CIR. BKR. TRIP (AMPS)	ØA	ØB	ØC	CIR. BKR. TRIP (AMPS)	LOAD (AMPS)			DIRECTORY	CKT. NO.
		ØA	ØB	ØC						ØA	ØB	ØC		
1	BASE RADIO	5			15					15	2.5		CCTV	2
3	GP RECEPTACLES		9								8		ELEVATOR CONSOLE	4
5	GP RECEPTACLES			9									ELEVATOR CONSOLE	6
7	FAX	1.0											SPARE	8
9	LASER PRINTER		7.5											10
11	BATT. CHG. CONSOLE LTC. HTG. VENT.			7.7										12

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-861.089 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.
DATE 9/19/96 *[Signature]*
DATE 9/24/96 *[Signature]*
ENGINEER OF DESIGN

FIRE COMMAND CENTER EQUIPMENT LEGEND - TOWER TWO (FOR CONSOLE PLAN SEE DWG. E-4)

NUMBER	QUANTITY	SPECIFICATION	INPUT VOLTAGE	PHASE	HZ.	UNIT LOAD (VA)	TOTAL LOAD (VA)	REMARKS
1	1	CCTV RACK (IN CABINET BELOW)	120	1	60	1,440	1,440	P; PROVIDE & INSTALL 24-POSITION VIDEO SEQUENTIAL SWITCHER; BURLE MODEL TC8124B OR APPROVED EQUAL
2	4	KEYBOARD (ON SLIDE BELOW)	-	-	-	-	-	D
3	3	PENCIL DRAWER	-	-	-	-	-	PROVIDE & INSTALL
4	1	BATTERY CHARGER (IN CABINET BELOW)	120	1	60	200	200	P
5	1	BASE RADIO W/ MICROPHONE (PENCIL DRAWER-BELOW)	120	1	60	600	600	P
6	5	HOT LINE PHONES (IN VERT CONSOLE)	-	-	-	-	-	T
7	1	NCC-SUB-G (IN VERT CONSOLE)/C.P.U. & U.P.S. (IN CAB BELOW)	120	1	60	550	550	P; UPS MAX. LOAD; MONITOR, CPU POWERED FROM UPS; SEE (22)
8	3	MOUNTED PHONESET, ELEC QUAD, (2) PHONE JACKS	120	1	60	720	2160	P(ELECT. QUAD-G.P.); T
9	1	NCC-FUTURE (IN VERT CONSOLE)/C.P.U. & U.P.S. (IN CAB BELOW)	120	1	60	550	550	SEE ITEM 7.
10	1	NCC-CONC (IN VERT CONSOLE)/C.P.U. & U.P.S. (IN CAB BELOW)	120	1	60	550	550	SEE ITEM 7.
11	1	NCC-TOWER 2 (IN VERT CONSOLE)/C.P.U. & U.P.S. (IN CAB BELOW)	120	1	60	550	550	P; T
12	1	STATIONARY INTERCOM (IN VERT CONSOLE)	120	1	60	400	400	SEE ITEM 7.
13	1	19" CCTV MONITOR (IN VERT CONSOLE) (W/19" EIA INTERNAL RACK MOUNT)	120	1	60	100	100	P; D; PROVIDE & INSTALL MONITOR; SIMPLEX MODEL TC1119 OR APPROVED EQUAL
		CONSOLE LTG., HTG., VENTILATION	120	1	60	-	720	12V LTG. CKT VIA CONSOLE BALLAST BOX; .33A/FAN x5; 3HTR
		TOTAL CONNECTED LOAD					7,820	
21	6	PORTABLE PHONES	-	-	-	-	-	
22	3	DOT MATRIX PRINTER	120	1	60	100	-	P; D; POWERED FROM NCC UPS UNIT; ONE PER NCC
23	1	LASER PRINTER	120	1	60	900	900	P; D
24	1	FAX	120	1	60	100	100	P; D
		TOTAL CONNECTED LOAD					1,000	

P=POWER CONNECTION D=DATA/COMMUNICATION CONNECTION T=TELEPHONE CONNECTION

NOTE: ALL EQUIPMENT SUPPLIED BY PORT AUTHORITY AND INSTALLED BY CONTRACTOR U.O.N.

THE PORT AUTHORITY OF NY & NJ



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No. Date Revision Approved

Engineering Department
Design Division

The World Trade Center

FIRE COMMAND CENTERS

ELECTRICAL

TOWER TWO DETAILS AND RISER DIAGRAM

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

W.F. H.A.S. S.C.
Task Leader Drawn by Checked by

Date 05/24/96 Scale AS SHOWN

Contract Number Drawing Number

WTC-861.089 5-5